



SRP Surface Water Resources

2016/17 Winter Summary

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Salt River Project

Governor's Drought ICG
May 09, 2017

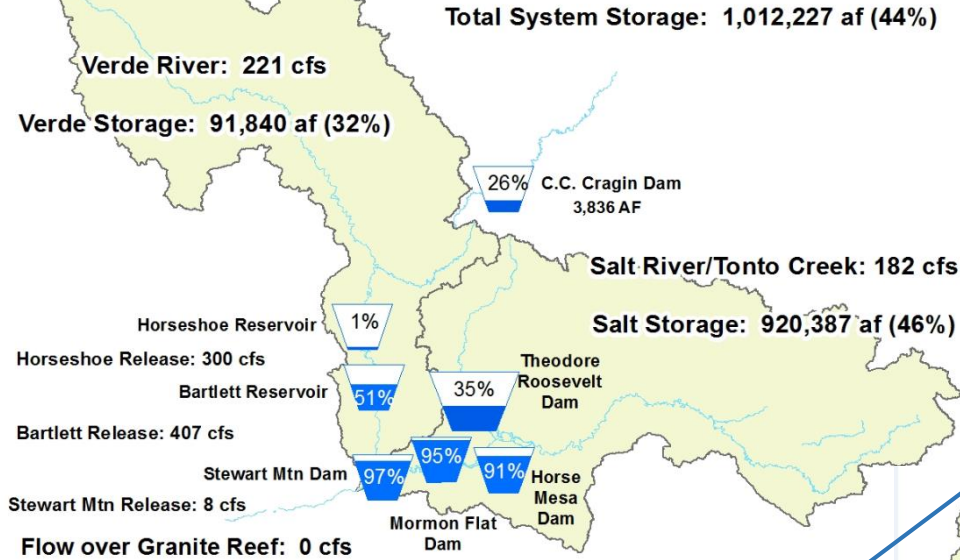


SRP Reservoir Status

December 15, 2016

Before Winter

44%

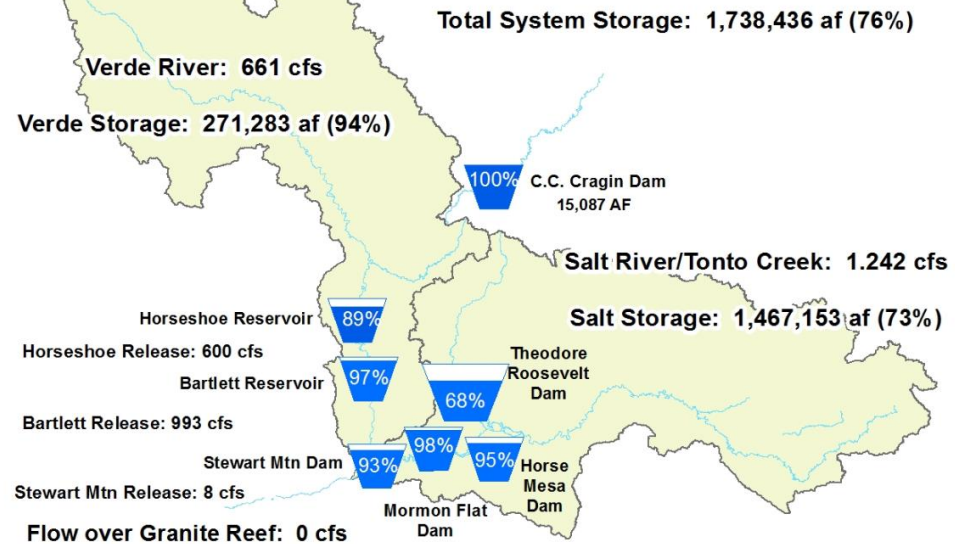


After Winter

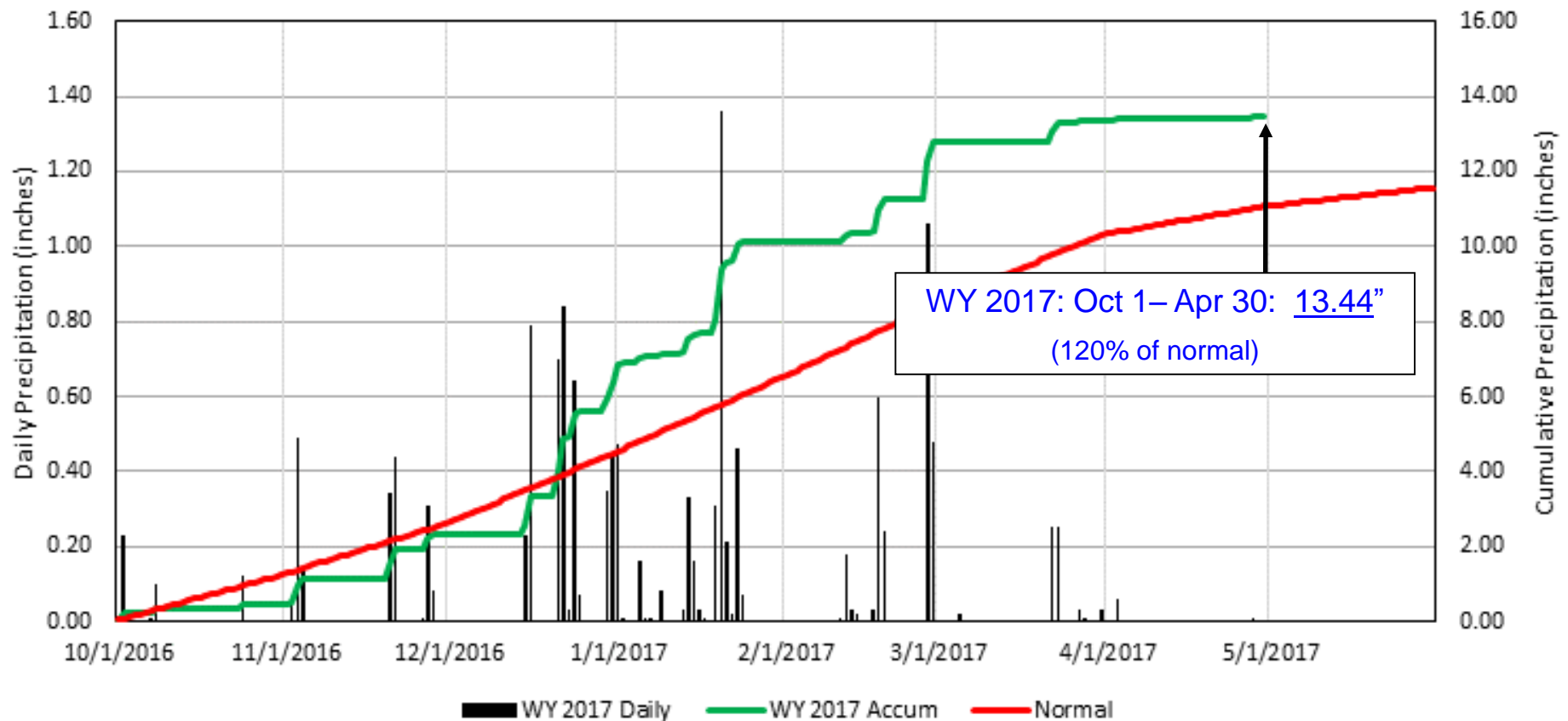
76%

SRP Reservoir Status

April 1, 2017



Cumulative Watershed Precipitation: Fall-Winter-Spring



NOV '16: 1.85"
(normal=1.4")

DEC '16: 4.09"
(normal=1.9")

JAN '17: 3.73"
(normal=2.0")

FEB '17: 2.65"
(normal=2.0")

MAR '17: 0.59"
(normal=1.9")

APR '17: 0.07"
(normal=0.8")

DEC-JAN-FEB-MAR: 11.06"
(143% of normal)

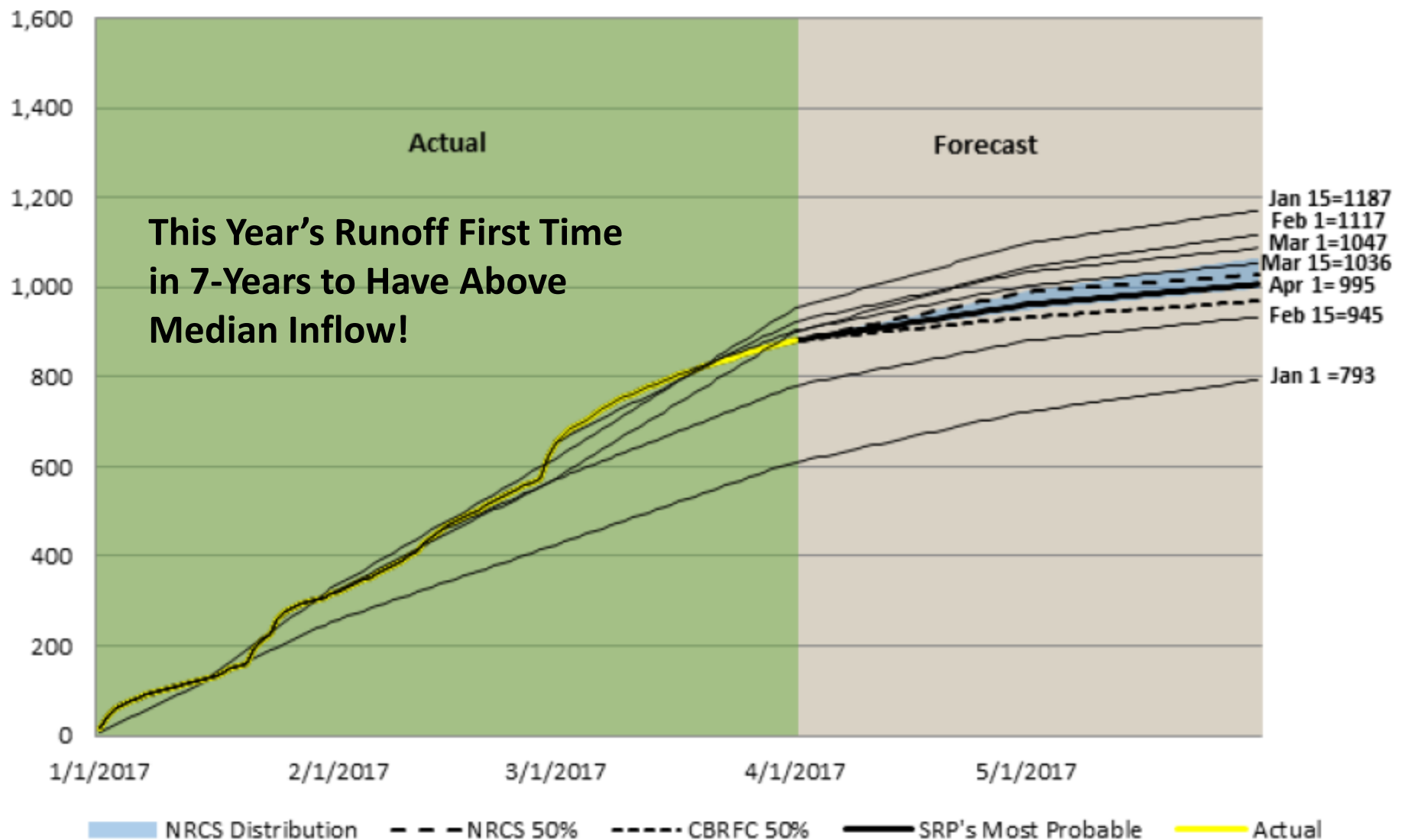
Forest Lakes Snowcam: February 23, 2017





Hannagan Meadows Snotel Site

April 1, 2017 - Salt, Tonto and Verde Streamflow Forecast



May 8, 2017

	Elevation (feet)		% Full	Storage (in acre feet)		24 hr. Change	Rain (inches)
	Current	Remaining		Current	Available		
Roosevelt	2,126.06	24.94	71	1,153,959	477,573	516	0.00
Horse Mesa	1,908.11	5.89	94	229,760	15,378	-564	0.00
Mormon Flat	1,657.09	3.41	94	54,645	3,207	-587	0.00
Stewart Mtn	1,524.73	4.27	92	64,489	5,276	470	0.00
Total Salt System			75	1,502,853	501,434	-165	
Horseshoe	1,998.83	27.17	44	48,250	60,967	-404	0.00
Bartlett	1,795.55	2.45	96	171,391	6,795	-639	0.00
Total Verde system			76	219,641	67,762	-1,043	
Total reservoir system			75	1,722,494	569,196	-1,208	
Total system year ago			57				

Roosevelt Lake did not fill during this wet winter; it was just too low to begin the season and storms systematically favored the Verde watershed. On the Verde, the small reservoirs, Horseshoe and Bartlett, had insufficient space to contain all the inflow. Spill from the Verde reservoirs exceeded 100,000 acre feet this winter. Peak spill occurred late 2/28 early 3/1 in excess of 22,000 cfs at Granite Reef Dam.



Granite Reef Diversion Dam March 1, 2017; Approx 22,000 cfs



GRUSP Delivery Channel Breach: March 1, 2017

**Gilbert Road
After
Peak Flow**



Is the drought over?

From a simple SRP water supply perspective, I am hard pressed to say we have been in a drought. Supplies have been adequate and reliable for our limited service area.

However, from almost all other perspectives, the drought has been relentless. Our watersheds, forests, ranges, and wildlife are suffering immensely. Water supplies to the state are near critical shortage levels.

I don't see one relatively abundant year (and not statewide!) as removing Arizona from the grips of this multidecadal drought. We need additional wet winters, and maybe even decent summers in between to heal the land.

NO, it's not over, yet.